

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.:	10/538,161
	Filing Date:	June 19, 2006
	First Named Inventor	Danny A. GRANT et al
	Art Unit	2629
	Confirmation No.	3262
	Examiner Name:	MOON, SEOKYUN
	Attorney Docket No.:	IMM152D / I103 1940US.3

U.S. PATENT DOCUMENTS

Examiner INITIAL	INDEX	DOCUMENT	DATE	FIRST INVENTOR'S LAST NAME	CLASS	SUB.	FILING DATE
	D1	2972140	14-Feb-1961	HIRSCH			
	D2	3157853	17-Nov-1964	HIRSCH			
	D3	3220121	30-Nov-1965	CUTLER			
	D4	3497668	24-Feb-1970	HIRSCH			
	D5	3517446	30-Jun-1970	CORLYON et al			
	D6	3623064	23-Nov-1971	KAGAN			
	D7	3875488	1-Apr-1975	CROCKER et al			
	D9	3902687	2-Sep-1975	HIGHTOWER			
	D9	3903614	9-Sep-1975	DIAMOND et al			
	D10	3911416	7-Oct-1975	FEDER			
	D11	3919691	11-Nov-1975	NOLL			
	D12	3923166	2-Dec-1975	FLETCHER et al			
	D10	4023290	17-May-1977	JOSEPHSON			
	D11	4101884	18-Jul-1979	BENTON, Jr			
	D10	4108146	22-Aug-1978	Golden			
	D10	4108164	22-Aug-1978	HALL, Sr.			
	D17	4127752	28-Nov-1978	LOWTHORP			
	D10	4160508	10-Jul-1979	SALISBURY			
	D10	4236325	2-Dec-1980	HALL et al			
	D20	4242823	6-Jan-1981	BRUNO			
	D21	4262549	21-Apr-1981	SCHWELLENBACH			
	D22	4333070	1-Jun-1982	BARNES			
	D23	4334280	8-Jun-1982	MCDONALD			

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	D24	4398889	16-Aug-1983	LAM et al			
	D25	4414537	8-Nov-1983	GRIMES			
	D26	4414984	15-Nov-1983	ZARUDIANSKY			
	D27	4436188	13-Mar-1984	JONES			
	D28	4464117	7-Aug-1984	FOREST			
	D29	4477043	16-Oct-1984	REPPERGER			
	D30	4484179	20-Nov-1984	KASDAY			
	D31	4484191	20-Nov-1984	VAVRA			
	D32	4513235	23-Apr-1985	ACKLAM et al			
	D35	4542375	17-Sep-1985	ALLES et al			
	D31	4545023	1-Oct-1985	MIZZI			
	D35	4550221	29-Oct-1985	MABUSTH			
	D35	4557275	10-Dec-1985	DEMPSEY, JR			
	D31	4560983	24-Dec-1985	WILLIAMS			
	D35	4581491	8-Apr-1986	BOOTHROYD			
	D35	4584625	22-Apr-1986	KELLOGG			
	D40	4599070	8-Jul-1986	HLADKY et al			
	D41	4603284	29-Jul-1986	PERZLEY			
	D42	4604016	5-Aug-1986	JOYCE			
	D40	4689449	25-Aug-1987	ROSEN			
	D40	4692756	8-Sep-1987	CLARK			
	D45	4706294	10-Nov-1987	OUCHIDA			
	D46	4708656	24-Nov-1987	DE VRIES et al			

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	D47	4713007	15-Dec-1987	ALBAN			
	D48	4715235	29-Dec-1987	FUKUI et al			
	D49	4757453	12-Jul-1988	NASIFF			
	D50	4758165	19-Jul-1988	TIEMAN et al			
	D51	4763356	9-Aug-1988	DAY, JR et al			
	D52	4772205	20-Sep-1988	CHLUMSKY et al			
	D53	4782327	1-Nov-1988	KLEY et al			
	D54	4791416	13-Dec-1988	ADLER			
	D58	4794384	27-Dec-1988	JACKSON			
	D58	4794392	27-Dec-1988	SELINKO			
	D57	4795296	3-Jan-1989	JAU			
	D58	4800721	31-Jan-1989	CEMENSKA et al			
	D58	4821030	11-Apr-1989	BATSON et al			
	D50	4823634	24-Apr-1989	CULVER			
	D61	4837734	6-Jun-1989	ICHIKAWA et al			
	D62	4839838	13-Jun-1989	LABICHE et al			
	D63	4853874	1-Aug-1989	IWAMOTO et al			
	D61	4861269	29-Aug-1989	MEENEN, JR.			
	D58	4868549	19-Sep-1989	AFFINITO et al			
	D58	4871992	3-Oct-1989	PETERSON			
	D67	4885565	5-Dec-1989	EMBACH			
	D68	4891764	2-Jan-1990	MCINTOSH			
	D69	4896554	30-Jan-1990	CULVER			

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	D70	4906843	6-Mar-1990	JONES et al			
	D71	4914624	3-Apr-1990	DUNTHORN			
	D72	4926879	22-May-1990	SEVRAN et al			
	D73	4930770	5-Jun-1990	BAKER			
	D74	4934694	19-Jun-1990	MCINTOSH			
	D75	4935728	19-Jun-1990	KLEY			
	D76	4949119	14-Aug-1990	MONCRIEF et al			
	D77	4961038	2-Oct-1990	MACMINN			
	D78	4977298	11-Dec-1990	FUJIYAMA			
	D79	4983901	8-Jan-1991	LEHMER			
	D85	5004391	2-Apr-1991	BURDEA			
	D81	5007300	16-Apr-1991	SIVA			
	D85	5019761	28-May-1991	KRAFT			
	D85	5022384	11-Jun-1991	FREELS			
	D85	5022407	11-Jun-1991	HORCH et al			
	D85	5035242	30-Jul-1991	FRANKLIN			
	D86	5038089	6-Aug-1991	SZAKALY			
	D85	5044956	3-Sep-1991	BEHENSKY et al			
	D85	5065145	12-Nov-1991	PURCELL			
	D85	5076517	31-Dec-1991	FERRANTI et al			
	D90	5078152	7-Jan-1992	BOND			
	D91	5095303	10-Mar-1992	CLARK et al			
	D92	5103404	7-Apr-1992	MCINTOSH			

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	D93	5107080	21-Apr-1992	ROSEN			
	D94	5107262	21-Apr-1992	CADOZ et al			
	D95	5116180	26-May-1992	FUNG et al			
	D96	5121091	9-Jun-1992	FUJIYAMA			
	D97	5133076	21-Jul-1992	HAWKINS et al			
	D98	5139261	18-Aug-1992	OPENIANO			
	D99	5143505	1-Sep-1992	BURDEA et al			
	D100	5146566	8-Sep-1992	HOLLIS, JR. et al			
	D101	5159159	27-Oct-1992	ASHER			
	D100	5165897	24-Nov-1992	JOHNSON			
	D103	5175459	29-Dec-1992	DANIAL et al			
	D104	5184319	2-Feb-1993	KRAMER			
	D100	5184868	9-Feb-1993	NISHIYAMA			
	D100	5185561	9-Feb-1993	GOOD et al			
	D101	5186629	16-Feb-1993	ROHEN			
	D100	5186695	16-Feb-1993	MANGSETH et al			
	D109	5189355	23-Feb-1993	LARKINS et al			
	D110	5193963	16-Mar-1993	MCAFFEE et al			
	D111	5197003	23-Mar-1993	MONCRIEF et al			
	D112	5203563	20-Apr-1993	LOPER, III			
	D113	5212473	18-May-1993	LOUIS			
	D114	5212473	18-May-1993	LOUIS			
	D115	5220260	15-Jun-1993	SCHULER			

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	D116	5223658	29-Jun-1993	SUZUKI			
	D117	5223776	29-Jun-1993	RADKE et al			
	D118	5235868	17-Aug-1993	CULVER			
	D119	5237327	17-Aug-1993	SAITOH et al			
	D120	5240417	31-Aug-1993	SMITHSON et al			
	D121	5262777	16-Nov-1993	LOW et al			
	D122	5264768	23-Nov-1993	GREGORY et al			
	D123	5270710	14-Dec-1993	GAULTIER et al			
	D124	5271290	21-Dec-1993	FISCHER			
	D125	5275174	4-Jan-1994	COOK			
	D125	5275565	4-Jan-1994	MONCRIEF			
	D127	5283970	8-Feb-1994	AIGNER			
	D124	5286203	15-Feb-1994	FULLER et al			
	D125	5296871	22-Mar-1994	PALEY			
	D130	5299810	5-Apr-1994	PIERCE			
	D131	5302132	12-Apr-1994	CORDER			
	D132	5309140	3-May-1994	EVERETT			
	D130	5313230	17-May-1994	VENOLIA et al			
	D130	5316017	31-May-1994	EDWARDS et al			
	D130	5334027	2-Aug-1994	WHERLOCK			
	D136	5341459	23-Aug-1994	BACKES			
	D137	5354162	11-Oct-1994	BURDEA et al			
	D138	5355148	11-Oct-1994	ANDERSON			

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	D139	5376948	27-Dec-1994	ROBERTS et al			
	D140	5381080	10-Jan-1995	SCHNELL et al			
	D141	5389849	14-Feb-1995	ASANO et al			
	D142	5389849	14-Feb-1995	ASANO et al			
	D143	5389865	14-Feb-1995	JACOBUS et al			
	D144	5396266	7-Mar-1995	BRIMHALL			
	D145	5398044	14-Mar-1995	HILL			
	D148	5399091	21-Mar-1995	MITSUMOTO			
	D147	5405152	11-Apr-1995	KATANICS et al			
	D148	5414337	9-May-1995	SCHULER			
	D149	5432531	11-Jul-1995	CALDER et al			
	D150	5436622	25-Jul-1995	GUTMAN et al			
	D151	5437607	1-Aug-1995	TAYLOR			
	D152	5450613	12-Sep-1995	TAKAHARA et al			
	D150	5451924	19-Sep-1995	MASSIMINO et al			
	D150	5457479	10-Oct-1995	CHENG			
	D155	5459382	17-Oct-1995	JACOBUS et al			
	D150	5461711	24-Oct-1995	WANG et al			
	D151	5466213	14-Nov-1995	HOGAN			
	D150	5471571	28-Nov-1995	SMITH et al			
	D155	5473235	5-Dec-1995	LANCE et al			
	D160	5473344	5-Dec-1995	BACON et al			
	D161	5491477	13-Feb-1996	CLARK et al			

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	D162	5506605	9-Apr-1996	PALEY			
	D163	5512919	30-Apr-1996	ARAKI			
	D164	5513100	30-Apr-1996	PARKER et al			
	D165	5521336	28-May-1996	BUCHANAN et al			
	D166	5530455	25-Jun-1996	GILLICK et al			
	D167	5542672	6-Aug-1996	MEREDITH			
	D168	5547382	20-Aug-1996	YAMASKI			
	D180	5557365	17-Sep-1996	OHSAWA			
	D170	5562707	8-Oct-1996	PROCHAZKA et al			
	D177	5563632	8-Oct-1996	ROBERTS			
	D177	5565887	15-Oct-1996	MCCAMBRIDGE et al			
	D173	5575761	19-Nov-1996	HAJIANPOUR			
	D178	5576727	19-Nov-1996	ROSENBERG et al			
	D170	5577981	26-Nov-1996	JARVIK			
	D170	5580251	3-Dec-1996	GILKES et al			
	D177	5583407	10-Dec-1996	YAMAGUCHI			
	D178	5587937	24-Dec-1996	MASSIE et al			
	D170	5589828	31-Dec-1996	ARMSTRONG			
	D180	5589854	31-Dec-1996	TSAL			
	D181	5591082	7-Jan-1997	JENSEN et al			
	D182	5596347	21-Jan-1997	ROBERTSON et al			
	D183	5600777	4-Feb-1997	WANG et al			
	D184	5619180	8-Apr-1997	MASSIMINO et al			

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	D185	5625576	29-Apr-1997	MASSIE et al			
	D186	5629594	13-May-1997	JACOBUS et al			
	D187	5638060	10-Jun-1997	KATAOKA et al			
	D188	5642469	24-Jun-1997	HANNAFORD et al			
	D189	5643087	1-Jul-1997	MARCUS et al			
	D190	5656901	12-Aug-1997	KURITA			
	D191	5666138	9-Sep-1997	CULVER			
	D196	5666473	9-Sep-1997	WALLACE			
	D193	5670755	23-Sep-1997	KWON			
	D194	5690582	25-Nov-1997	ULRICH et al			
	D196	5691747	25-Nov-1997	AMANO			
	D196	5691898	25-Nov-1997	ROSENBERG et al			
	D197	5694013	2-Dec-1997	STEWART et al			
	D196	5699059	16-Dec-1997	HILLER			
	D193	5709219	20-Jan-1998	CHEN et			
	D204	5714978	3-Feb-1998	YAMANAKA			
	D201	5719561	17-Feb-1998	GONZALES			
	D202	5721566	24-Feb-1998	ROSENBERG et al			
	D203	5724106	3-Mar-1998	AUTRY et al			
	D204	5724278	3-Mar-1998	OHGOSE et al			
	D205	5729249	17-Mar-1998	YASUTAKE			
	D206	5731804	24-Mar-1998	ROSENBERG			
	D207	5732347	24-Mar-1998	BARTLE et al			

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	D208	5736978	7-Apr-1998	HASSER et al			
	D209	5739811	14-Apr-1998	ROSENBERG et al			
	D210	5742278	21-Apr-1998	CHEN et al			
	D211	5745715	28-Apr-1998	PICKOVER et al			
	D212	5748185	5-May-1998	STEPHAN et al			
	D213	5754023	19-May-1998	ROSTON et al			
	D214	5755577	26-May-1998	GILLIO			
	D219	5757358	26-May-1998	OSGA			
	D219	5760764	2-Jun-1998	MARTINELLI			
	D217	5760440	16-Jun-1998	SINCLAIR			
	D219	5767457	16-Jun-1998	GERPHEIDE et al			
	D219	5767839	16-Jun-1998	ROSENBERG			
	D226	5769640	23-Jun-1998	JACOBUS et al			
	D221	5771037	23-Jun-1998	JACKSON			
	D222	5781172	14-Jul-1998	ENGEL et al			
	D223	5784052	21-Jul-1998	KEYSON			
	D224	5785630	28-Jul-1998	BOBICK et al			
	D226	5790108	4-Aug-1998	SALCUDEAN			
	D226	5802353	1-Sep-1998	AVILA et al			
	D222	5804780	8-Sep-1998	BARTHA			
	D224	5805140	8-Sep-1998	ROSENBERG et al			
	D229	5805165	8-Sep-1998	THORNE, III et al			
	D230	5805416	8-Sep-1998	FRIEND et al			

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	D231	5808601	15-Sep-1998	LEAH et al			
	D232	5808603	15-Sep-1998	CHEN			
	D233	5821921	13-Oct-1998	OSBORN et al			
	D234	5823876	20-Oct-1998	UNBEHAND			
	D235	5825308	20-Oct-1998	ROSENBERG			
	D236	5828197	27-Oct-1998	MARTIN			
	D237	5828364	27-Oct-1998	SIDDIQUI			
	D239	5831408	3-Nov-1998	JACOBUS et al			
	D239	5832386	3-Nov-1998	NOJIMA et al			
	D240	5835080	10-Nov-1998	BEETSON et al			
	D241	5844392	1-Dec-1998	PEURACH et al			
	D242	5844506	1-Dec-1998	BINSTEAD			
	D240	5877748	2-Mar-1999	REDLICH			
	D241	5880714	9-Mar-1999	ROSENBERG et al			
	D240	5887995	30-Mar-1999	HOLEHAN			
	D240	5889236	30-Mar-1999	GILLESPIE et al			
	D247	5889670	30-Mar-1999	SCHULER et al			
	D240	5896125	20-Apr-1999	NIEDZWIECKI			
	D240	5897437	27-Apr-1999	NISHIUMI et al			
	D250	5903257	11-May-1999	NISHIUMI et al			
	D251	5912661	15-Jun-1999	SIDDIQUI			
	D252	5914705	22-Jun-1999	JOHNSON et al			
	D253	5914708	22-Jun-1999	LEGRANGE et al			

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	D258	5953413	14-Sep-1999	PEYER et al			
	D259	5956016	21-Sep-1999	KUENZNER et al			
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	D265	5977867	2-Nov-1999	BLOUIN			
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	D265	5982352	9-Nov-1999	PRYOR			
	D261	5984785	16-Nov-1999	TAKEDA et al			
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	D281	6072475	6-Jun-2000	VAN KETWICH et al			
	D282	6081536	27-Jun-2000	GORSSUCH et al			
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	D288	6094565	25-Jul-2000	ALBERTH et al			
	D288	6100874	8-Aug-2000	SCHENA et al			
	D287	6102803	15-Aug-2000	TAKEDA et al			
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	D288	6111577	29-Aug-2000	ZILLES et al			
	D290	6118435	12-Sep-2000	FUJITA et al			
	D291	6125264	26-Sep-2000	WATANABE et al			
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	D293	6128006	3-Oct-2000	ROSENBERG			
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	D304	6198206	6-Mar-2001	SAARMAA et al			
	D305	6215778	10-Apr-2001	LOMP et al			
	D306	6218966	17-Apr-2001	GOODWIN et al			
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	D315	6323846	27-Nov-2001	WESTERMAN et al			
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	D326	6424356	23-Jul-2002	CHANG et al			
	D327	6438390	20-Aug-2002	AWAN			
	D328	6438392	20-Aug-2002	TOBA			
	D329	6445284	3-Sep-2002	CRUZ-HERNANDEZ et al			
	D330	6447069	10-Sep-2002	TERRIS et al			
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	D330	6518958	11-Feb-2003	MIYAJIMA et al			
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	D340	6574489	3-Jun-2003	URIYA			
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	D349	6671618	30-Dec-2003	HOISKO			
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	D351	6690955	10-Feb-2004	KOMIYAMA			
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	D355	6982696	23-Nov-2004	SHAHIOIAN et al			
	D355	6834373	21-Dec-2004	DIEBERGER			
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	D373	7218310	15-May-2007	TIERLING			
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	D396	2003-0058265	27-Mar-2003	ROBINSON et al			
	D397	2003-0071795	17-Apr-2003	BALDAUF et al			
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	D401	2003-0184574	2-Oct-2003	PHILLIPS et al			
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*	D417		JP 01-003664	19-Jul-1990					
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